

Docket No. SA-537

Exhibit No. 2-V

NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D.C.

Asiana Post-Accident Changes

(3 Pages)

Selected Actions Taken in Response to SFO Accident

December 2013



Overview

Enhanced Flight Crew Training & Evaluation

For all flight crew members:

- Increased hours for basic, initial, and transition training
- Cancellation of 80 revenue flights to accommodate special training and evaluation for flight crew
- Increased training focus on automation logic and capabilities of autothrottle stall protection system
- Increased training focus on visual approaches and enhanced evaluation of visual approach performance
- Additional evaluation for captain upgrade

Strengthened Flight Instructor Training

- Enhanced flight instructor screening and selection process
- Increase in required training hours for ground school, simulator, and OE flight instructor training
- Increased focus on special airports, visual & non-precision approach, unstabilized approach, monitoring and standard callouts

Enhanced CRM Training

- Implementation of new advanced communications and CRM courses
- Special training focusing on monitoring, workload management, and Threat & Error Management (TEM)

Revamped Safety Management Structure

- New senior executive-level position to oversee safety operations
- Additional staff devoted to internal safety audits, flight crew training support & development, and CRM instruction

Other Measures

- Revision of SMS program and company procedures & manuals (POM) to provide more detailed guidance on key issues

Enhanced Flight Crew Training & Evaluation

Training Type		Korean Gov't Standard	Asiana (previous)	Asiana (current)	Area(s) of Focus
BASIC	Ground school	40 hrs	258 hrs	277 hrs	Accident case study, special airports, ATC, standard callout
	Transition Simulator		24 hrs	30 hrs	Non-precision & high energy approach, monitoring, callouts
INITIAL	Ground school	120 hrs	165 hrs	173 hrs	Aircraft systems & automation, monitoring
	SIM training	22 hrs	26 hrs	28 hrs	Zero Flight Time Training (ZFTT) for take-offs and landings
	Pre-OE ground	--	4 days	6 days	Non-precision approach, aircraft systems & automation, Threat & Error Management (TEM) program
	Pre-OE SIM	--	--	2 hrs	Special airports and visual approach, non-precision approach, high & low energy management
TRANSITION	Ground school	120 hrs	160-168 hrs	168-205 hrs	Special airports, aircraft systems & automation, non-precision approach, TEM program
	SIM training	22 hrs	22 hrs	24 hrs	Zero Flight Time Training (ZFTT) for take-offs and landings
	Pre-OE Ground	--	4 days	6 days	Special airports, aircraft systems & automation, non-precision approach, TEM program
	Pre-OE SIM	--	--	2-4 hrs	Increased training when transitioning between manufacturers of aircraft (i.e., Airbus <-> Boeing)
	OE training	20 legs (60 hrs)	20 legs (60 hrs)	30 legs (90 hrs)	Additional OE training legs if transitioning between manufacturers of aircraft (i.e., Airbus <-> Boeing)
Upgrade			2 legs	4 legs	Additional in-house check-ride evaluations